

### **ABSTRACT OF THE DISCLOSURE**

In a method and an arrangement for automatic adjustment of devices having setting elements, and a corresponding computer program product and computer-readable storage medium, the adjustment includes carrying out a first measurement of a characteristic curve to be controlled by the adjustment at predefined measurement points, each setting element assuming a reference setting; testing a termination condition and terminating the method if this condition is satisfied; and, if the termination condition is not satisfied, modifying the reference setting of each setting element and measuring the characteristic curve again at predefined measurement points for this configuration of the setting elements; reproducing the initial reference setting of the modified setting element; when there is more than one setting element, calculating the gradient functions of the characteristic curve; calculating new settings of the setting elements by minimizing an error function by using the obtained measured values and the calculated gradient functions; and carrying out the method again, beginning with the new calculated settings serving as the new reference setting.